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IV. Two Cases of Insects voided by the urinary Passage, communicated in a Letter to the Publisher, by Dr. Daniel Turner, Coll. Med Lond. Lic.

Dec. 6. 1725.

ON the 24th of November last, a poor Woman, in my Neighbourhood, came to crave my Advice for her Grand-child, an Infant of about 16 Months old, bringing with her a Worm, which she told me the Apothecary had just then drawn out of the Child's *Penis*, who had for several Days before labour'd under great Uneasiness; which (as usually term'd by these People) she call'd Convulsions of the Bowels. The Infant was continually drawing up the lower Limbs, and straining at both Sphincters; the Urine seemed to pass with Difficulty for some Days, till at last there came on a total Suppression, and the Worm, advancing, shew'd itself at the Extremity of the *Urethra*, when the Apothecary was called up to help them. I examined the Insect, and found it measur'd above 4 Inches, resembling the Worms usually excre'ted *per Podicem*, of the Earth-worm Kind, but whiter; which made me think at first they had been mistaken, and that the same had been that Way excreted. Having directed what I thought proper, I went to the Apothecary, who has the Worm now in his Custody, to be better inform'd. He assures me, that, when he came to the Child, he saw a preternatural Body, which at first he knew not what to make of, hanging half an Inch out of the *Glans*, and lying double in the Passage: Perceiving it farther advancing, he took hold of it, and with little Difficulty drew forth the same.

The Summer before the last, a Woman show'd me an Insect of the Maggot Species, with a crusty red *Galea* over the Snout, and a crescent or forked Tail, which she had just then voided by the urinary Passage.

V. *An Account of a new Machine, called the Marine Surveyor, contrived for the Mensuration of the Way of a Ship in the Sea, more correctly than by the Log, or any other Method hitherto used for that Purpose; together with several Testimonials, setting forth the Usefulness of this Invention. By Mr. Henry de Saumarez of the Island of Guernsey.*

Having for several Years applied my Studies to the Improvement of Navigation, I have fallen on various Projects, as well for the better clearing a Ship off a Lee-shore, as for her Steering, Tacking, or Waring, &c. which I may probably soon publish to the World: But what has most of all employ'd my Thoughts, has been to contrive something to ascertain the Way of a Ship in the Sea, more correctly than by the Log, (at present in Use in our Navigation;) the Errors of which are such, that I am fully persuaded the unhappy Fate of the brave Sir *Cloudsley Shovell*, was more owing thereto, than to any Errors in Judgment. The melancholy Reflections I made on that national Loss, was what spurr'd me on to find out something that would not only have a regular Motion under Water, but might communicate the same to a Dial, or Piece of Clock-Work, within the Ship.

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